

# Research and Development of a Positioning Service for Learning Networks for Lifelong Learning

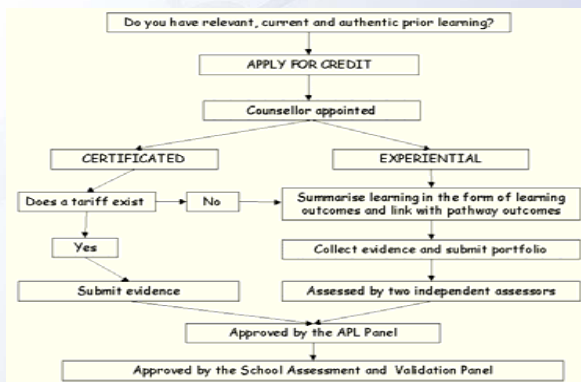
Marco Kalz  
marco.kalz@ou.nl

Ectel06, Doctoral Consortium  
Crete, 2<sup>nd</sup> of October 2006



Bridges for Technology  
Enhanced Lifelong  
Learning

## Current solutions: APL/RPL



APL  
Procedures  
University of  
Huddersfield

...and current problems



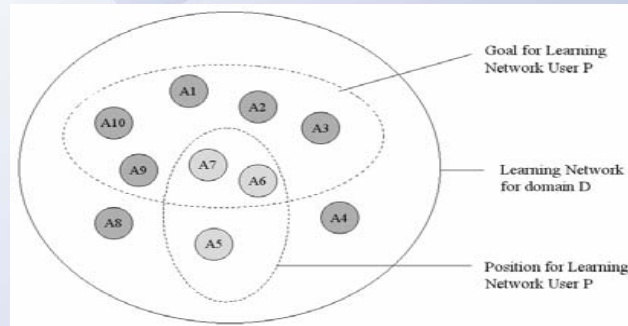
## Aim of the project

Research computational approaches for  
APL and development of a positioning  
service for learning networks that  
delivers results comparable to experts.

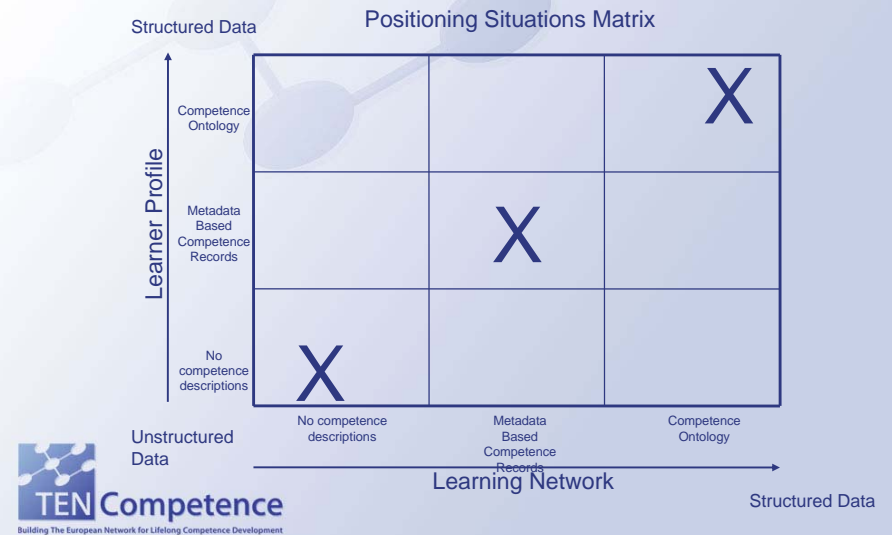


## The research problem

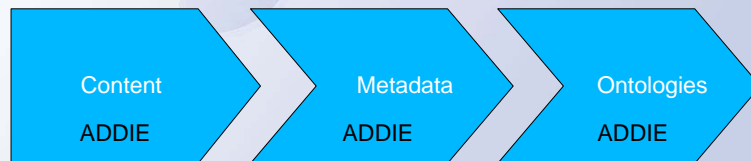
Taking into account the goals and the history of the learner which activities leading to a specific learning goal can be exempted and what is the best starting position?



## Project Approach

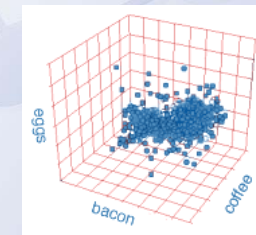


## Research & Development Plan



## Phase 1: Content-Analysis for Positioning

- Use of Latent Semantic Analysis for computing document similarity



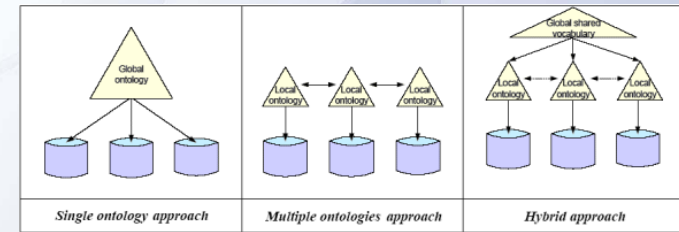
- Further development of R-implementation (Wild) of LSA to a web-service



## Phase 2: Metadata for Positioning

- Positioning based on information in metadata
- Different specification standards: RDCEO, RCD, IMS ePortfolio, HR XML, specs concerning learner information.
- Positioning through metadata-comparison: learner metadata and related learning network metadata
- Development of a crosswalk for competence related metadata

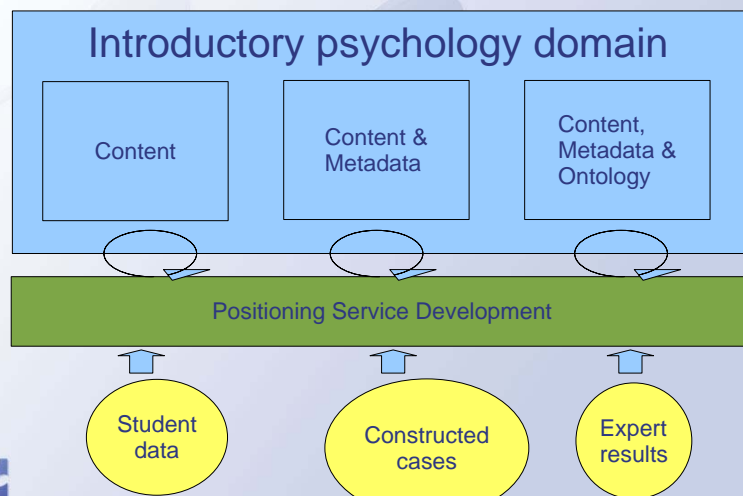
### Phase 3: Ontologies for Positioning



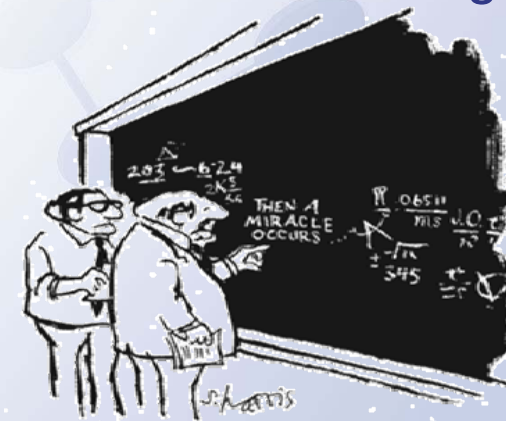
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## Focus on single ontology approach for positioning

## Methodology/Context



Thanks for listening!



"I THINK YOU SHOULD BE MORE EXPLICIT HERE IN STEP TWO."